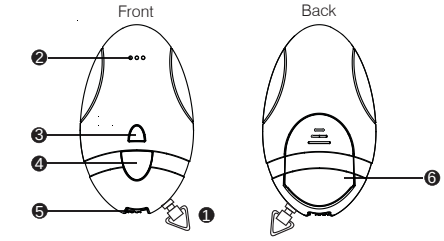
1 INTRODUCTION

Bicycles are stolen everywhere and every day no matter they are with or without locks. To protect your bicycle from being stolen, our Digital RF wireless bicycle alarm system can be your best solution. Once the bike theft happens, the Bike-Alarm will sound loud beeps to scare the thief away and the Beeper will also immediately activate an emergency alarm to warn you to check the bicycle and take the necessary actions urgently. Therefore, with Undercover T-EP03 armed on the bicycle, whenever you want to take a short break in the cycling journey, there is no need for you to worry about parking your bike nearby.

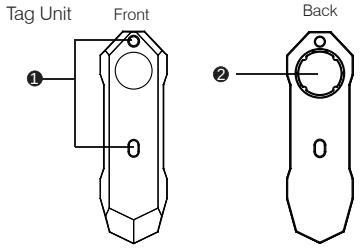
Product Description

Base Unit



❶	Ring attachment	
❷	Speaker	Sound output
❸	Connecting status	Show the signal synchronous status between Base and Tag unit
❹	Search button	Press to search for the Tag unit.
❺	Power switch	Power ON/OFF
❻	Battery cover	

Tag Unit



❶	Screw Hole	
❷	Speaker	Sound output

Specification

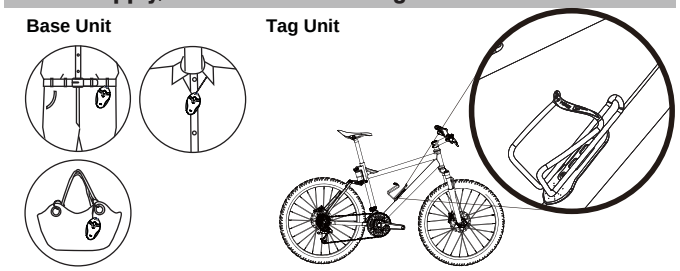
Model Name	**Undercover T-EP03**	
Function	**Alert & Search**	
Search Range	**0~500m/1600ft (in open area)**	
Alarm Triggered	Vibration Sensor	
Base Unit / Tag Unit	Base (M08AM)x1	Tag (S07C)x1
Battery Type	CR2032	AAAx2
Battery Life Time on Standby	45 days	70 days
Beep Audible Level (at 10 cm / 3.9 inches)	95 db	110db
Dimension (L/W/H)	61.5x36x11.6mm 2.42x1.42x0.46inch	127x40x12mm 4.99x1.57x0.47inch

Package Contents

Model Name	Undercover T-EP03
Base Unit	1 pc
Tag Unit	1 pc
Batteries	CR2032x1, AAAx2
Strap	1
Hook	1
User manual	✓

How to apply/wear the Base and Tag units.

Base Unit **Tag Unit**



UNDERCOVER T-EP03 USER MANUAL

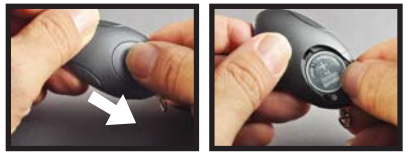
2 GETTING STARTED

This section shows how to quickly setup and trigger an alert condition.

1. Place battery into the Base unit and the Tag unit.

Base Unit

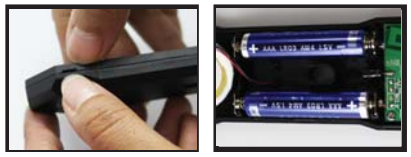
Open the battery cover by placing your thumb on the cover (as shown) and pulling it backwards until it clicks open; then lift off the cover.



Insert the battery into the battery compartment with the "+" sign on the battery facing up. Then replace the battery cover by sliding it up into compartment opening.

Tag Unit

a) Open from the fillister on the button of housing or curve side by your nail, like open shell.
b) Insert batteries (included) following the polarity markings in the battery compartment.
c) Close the battery compartment cover.

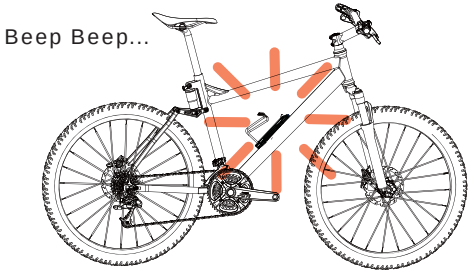


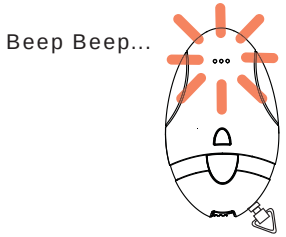
2. Make sure that the Base and Tag units are in close proximity.
3. Turn ON the Power switch on the Base units. The base units will establish a link and begin to blink synchronously .
4. Shock the Tag unit, and the base unit and Tag unit will beep.
5. Congratulations, now you are ready to put the Tag unit underneath the bottle cage on a bike. (Turn off the base unit in case the alarm is triggered while installation)

3 ALERT

A sensor is built-in to detect the vibration, while someone is trying to move your bike, the Undercover will alert you in 2 seconds. The Base and Tag unit will alarm for 10 seconds and repeat alarm until vibration is stop.

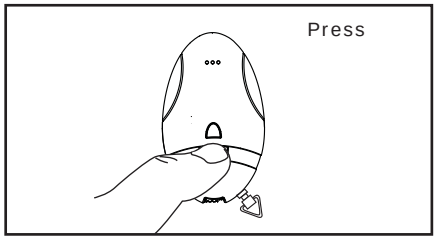
Disarm Alarm:
Under standby mode, turn OFF the Base unit within 1 meter from your bicycle, the Tag unit will sound "Di-du" to approve disarm. When you hear "Di-du", you have disarmed the Undercover.





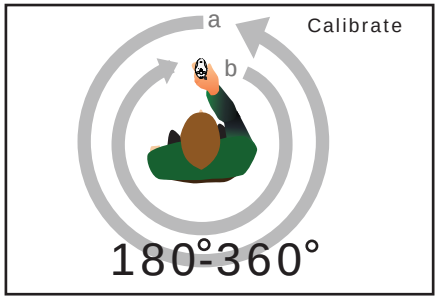
4 SEARCH

When a tagged item is misplaced, you can use the Base unit to search for it, if it is within a 1600 ft / 500 m (line of sight) radius. Try this first in an open area (e.g. large room, or in your yard).

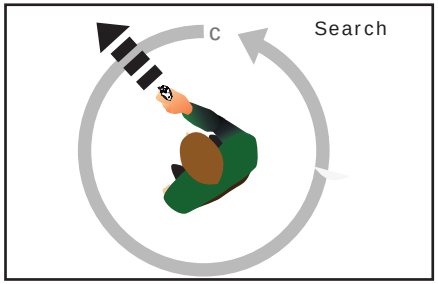


1. Take the Base Unit and stand apart from the Tag unit (about 15-20 ft). On the Base unit, press the Search Button once. The Base unit will begin to chirp and the Tag unit will begin to beep.

2. Before searching, you must first calibrate the Base to the current terrain and environment. Hold the Base unit in front of you at chest level, and scan the area slowly in a circular direction, from right to left for 360° (a) and again from left to right (b), one 360° turn in 3-4 seconds.
   Note: You don't have to scan a full 360°; you can use a narrower search angle (e.g. 180°).
   Note: If the "Direction Indicator" illuminates green on the Base unit during this calibration process, it does not yet indicate the Tag unit's direction.



3. Next, begin the search by slowly scanning a third time from right to left (c). The "Direction Indicator" on the Base Unit will illuminate (green) when it establishes the direction of the tagged item location.



4. Move in the direction of the Tag Unit. As you approach the Tag unit, the frequency of the chirping and blinking (LED) on the Base Unit will increase.

5. If the Tag unit is hidden (e.g. in a pocket), you can MUTE the Base unit by holding down the button on the Base unit, allowing you to follow the Tag beep audible to in-point Tag unit's location.

5 OPERATION INSTURCTION

Scenarios		Base unit	Tag unit
	When the bicycle is shocked accidentally,…	Beeps for 10 seconds	Beeps for 10 seconds
	When the bicycle movement still continues,	Continuously send out beeps	Continuously send out beeps
	When Tag unit is power-off, destroyed or the bicycle is hijacked, …	Continuously send out beeps	No sound
	Press the search button to locate your	Green LED blinks	Continuously send out beeps
	When the battery is low	Buzzer beeps once every 2 minutes	Buzzer beeps once every 2 minutes

UNDERCOVER T-EP03 USER MANUAL

Additional Information

Out of range or Loss signal :
a.) Base unit beeps and signal LED blinks for 30 seconds out of range or loss signal; then Base unit will enter sleep mode automatically.
b.) Base unit beeps twice at a 4 minutes interval (to remind user to switch power OFF for power-saving.)
c.) To wake-up Base unit, press Search button to go to wake-up process.
Low battery:
When the Base or Tag unit is under low battery condition, it will beep at a 2 minutes interval, please change the battery.
Important: Under low battery condition, it may cause abnormal function of alarm or searching.

6 WARNINGS AND INFORMATION

1. The Base unit and Tag units are water-repellent, but not waterproof!
   Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that may corrode electronic circuits. If your device gets wet, remove the battery, and allow the device to dry completely before replacing it.
2. If you want to use the device during air flight, please comply with the air safety regulations for each respective country.
3. We reserve the right to change the hardware/software specifications and designs, as well as the information in the manuals, at any time without prior notice.
4. Proper operating temperatures for this product are between 40˚F~103˚F (5˚C~40˚C). Proper Storage Temperatures are between -4˚F~185˚F (-20˚C~85˚C) .
5. Under low battery charge conditions, both Base and Tag will alert with a beep every 2 minutes - in this case, replace batteries immediately. Low battery conditions may result in unpredictable product behavior, such as low alert volume and false readings. To save battery charge, turn off both units when appropriate (e.g. evenings at home).
6. The Batteries provided in this product should be disposed of properly according to national or regional recycling regulations - contact local authorities for more information.
   Warning: Do not expose the batteries to fire or heat - this may result in danger from explosions.

7 CERTIFICATIONS

Federal Communication Commission Interference Statement
This equipment has been tested and improved to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This FCC Certifications equipment generates, uses and can radiate radio frequency energy, if installed and used not in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determinedly turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:
■ Reorient or relocate the receiving antenna.
■ Increase the separation between the equipment and receiver.
■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
■ Consult the dealer or an experienced radio/TV technician for help.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept an interference received, including interference that may cause undesired operation.
FCC Caution: Any changes or modifications are not expressly approved by the party responsible for compliance which could void the user's authority to operate this equipment.
EU Declaration Conformity
This product is carrying the CE-Mark in accordance with the related European Directives.

91E-02B8-U50G20

T-ONE R&D CORP.
ADD : NO.31, 35th Rd., Industrial Park, Taichung TW
TEL : 886-4-23592618 FAX : 886-4-23592616
E-MAIL : T-one@T-oneDesign.com
http : // www.T-oneDesign.com